PHOTOGRAPHIC INTERPRETATION REPORT

TYURATAM MISSILE TEST CENTER

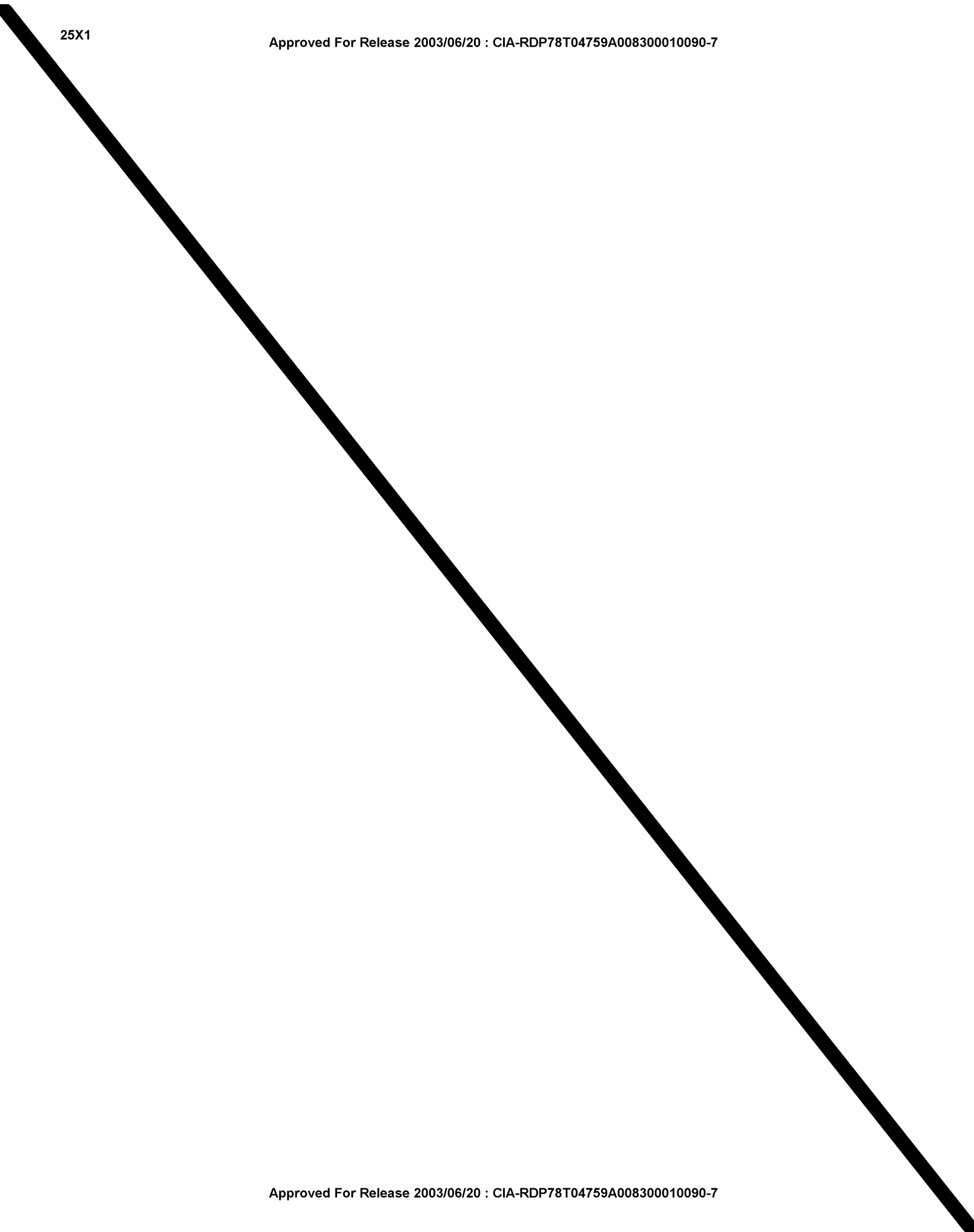
LAUNCH COMPLEX G

LAUNCH AREA G3-G4

25X1

FEBRUARY 1968
COPY 116
8 PAGES

25X1



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PREFACE

This report, one of a series prepared in response to CIA Requirement C-DI5-82,776 (Revised) requesting detailed line drawings, to scale, of elements of the Tyuratam Missile Test Center, updates [redacted] Tyuratam Missile Test Center, Launch Complex G, Launch Area G3-G4. 1/ The information contained herein is based on [redacted] photography through [redacted] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

TYURATAM MISSILE TEST CENTER

LAUNCH COMPLEX G

LAUNCH AREA G3-G4

Modification of Launch Area G3-G4, begun in [redacted] was not complete [redacted] Major features of this modification include the construction of new probable fuel and oxidizer storage facilities, and a new connection between the launch area and the L-shaped electronics facility approximately 5,000 feet to the south-southwest. The use of this launch area for the new SL-12 space launch vehicle began as early as [redacted] with subsequent launches in [redacted] of that year.

The launch area was enlarged by construction of a new double security fence along the downrange side and 2 concrete arch-roofed buildings were constructed on the old fenceline at the middle of the launch area. These arch-roofed buildings are connected to Pads G3 and G4 by large buried conduit with a cross section approximately [redacted] Both buildings are earth mounded, and their size, location, and connection with the launch pads suggest that they may provide a new fuel and oxidizer storage capacity. In addition to the arch-roofed buildings forward of the center of the launch area, a narrow, rectangular, flat-roofed building was constructed approximately 350 feet east of each launch pad. Each of these buildings is served by an extension of both the rail spur and the roadway which serve the eastern side of the pad area. Both buildings are constructed atop a deep foundation which is connected by buried conduit to its respective launch pad. The rail spur enters the south end of these buildings, suggesting that perhaps a liquid is offloaded in the shelter of the buildings and stored beneath them until needed at the pad.

One feature of the modification at Pad G3 which appears to differ from that at Pad G4 is the construction of a buried conduit around the downrange side of the blast deflector. One end of this conduit appears to connect with the west edge of the blast deflector, and the other joins the conduit which connects the new rail-served building with the launch pad. The connection of this conduit with the blast deflector suggests the possibility of water flooding; however the precise nature of this connection is undetermined. It is possible that, between photographic coverages, a similar conduit was laid forward of Pad G4, although there are no indications of it.

Construction of a large buried conduit between the L-shaped electronics facility and the launch area is another major feature of the modification. Within the electronics facility, this square-cross-sectioned conduit enters both the earth-mounded structure adjacent to the central antenna position and another earth-mounded structure 600 feet to the west. Within the launch area, the conduit bifurcates and enters the south end of a low earth-mounded structure paralleling the west side of the gantry tracks to the rear of each launch pad.

Near the center of the launch area, a building has been added which appears to duplicate one of the group of 3 buildings common to Launch Areas G3-G4, G5-G6, and N2-N3. The function or services provided by this group of buildings at each of the 3 launch sites has not been determined, but this is the first indication of a need for expansion. Another building added to the launch area during the modification is located east of the new conduit leading to the L-shaped electronics facility, just inside the southern fenceline. Its proximity to the new conduit may indicate an association with whatever services are carried by this conduit.

Another aspect of the modification is the construction of 2 additional pairs of sumps adjacent to, and just west of, the original pair forward of the launch area. Ditching to the new sumps can be traced back to the earth-mounded structures west of Pad G4, but other structures also may be connected to these sumps by ditching not observed on photography.

In the area between the new earth-mounded probable propellant storage buildings and the forward fenceline, a building has been added which appears to have 3 large fans atop its roof. Although the structure resembles a forced-draft cooling tower, it may be part of a high-volume ventilating system associated with the new probable propellant storage buildings.

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Additional construction undertaken recently includes a tank [redacted] 25X1D
ameter south-southeast of Pad G3, and 2 small buildings near each of the 2 rail-served buildings east of each pad. At the southern end of the gantry tracks, to the rear of both launch pads, the foundations for the rails have been excavated and re-layed, indicating the need for repacking or reinforcement of the ballast in the area where the gantries are usually parked. The construction of new security fencing within the launch area appears to be intended to isolate the pad areas from the support structures between the pads.

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REFERENCES

[redacted]

DOCUMENT

25X1 1. NPIC. [redacted] *Tyuratam Missile Test Center, Launch Complex G, Launch Area G3-G4,* Mar 1966 (TOP
25X1 SECRET [redacted])

MAPS OR CHARTS

AMS, DESPA, Series NL41A-1, 1st ed, 1964, scale 1:50,000 (TOP SECRET [redacted]) 25X1

REQUIREMENT

CIA. C-DI5-82,776 (Revised)

NPIC PROJECT

11055AL/66 (partial answer)

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